

AMENDMENT UNDER 37 C.F.R. § 1.111
U.S. Patent Application No. 09/941,708

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (Currently Amended) A method of controlling amplification of a signal emitted by a ~~radiocommunication~~ radio communication terminal including a power amplifier and a power supply battery, said method including the steps of:

[[-]] detecting ~~the~~ an output power of said amplifier and converting said output power into a detected voltage,

[[-]] comparing said detected voltage with a set point voltage, and

[[-]] adapting the input voltage of said power amplifier as a result of said comparison, in ~~which method~~ wherein said detected voltage ~~and/or or~~ said set point voltage is rendered dependent on ~~the~~ an output voltage of said power supply battery before the step of comparing said detected voltage with said set point voltage.

2. (Currently Amended) The method claimed in claim 1 wherein said detected voltage is increased by a correction value dependent on said output voltage of said power supply battery.

3. (Currently Amended) The method claimed in claim 1 wherein said set point voltage is reduced by a correction value dependent on said output voltage of said power supply battery.

AMENDMENT UNDER 37 C.F.R. § 1.111
U.S. Patent Application No. 09/941,708

4. (Currently Amended) The method claimed in claim 2 wherein said correction value is a multiple of $(V_{bat} - V_{nom})$ $V_{bat} - V_{nom}$ where (V_{nom}) V_{nom} is the nominal voltage of said power supply battery.

5. (Currently Amended) The method claimed in claim 3 wherein said correction value is a multiple of $(V_{bat} - V_{nom})$ $V_{bat} - V_{nom}$ where (V_{nom}) V_{nom} is the a nominal voltage of said power supply battery.

6. (Currently Amended) The method claimed in claim 1 wherein said detected voltage and/or or said set point voltage is rendered dependent of said output voltage of said power supply battery only within a limited range of the output power of said amplifier.

7. (Currently Amended) The method claimed in claim 6 wherein said detected voltage and/or or said set point voltage is rendered dependent on said output voltage of said power supply battery only in a range of the output power of said amplifier close to 30 dBm.

8. (Currently Amended) A device for controlling amplification of a signal emitted by a terminal which includes, said device comprising:
a power amplifier,
means for detecting the power at the an output power of said amplifier and converting said output power into a detected voltage,

AMENDMENT UNDER 37 C.F.R. § 1.111
U.S. Patent Application No. 09/941,708

means for comparing said detected voltage with a set point voltage,
means for controlling ~~the~~ an input voltage of said amplifier, ~~and~~
a power supply battery, ~~which device includes~~ and
means for rendering said detected voltage or said set point voltage dependent on ~~the~~ an
output voltage of said power supply battery before comparing said detected voltage with said set
point voltage.

9. (Currently Amended) The device claimed in claim 8, wherein said means for
rendering said detected voltage or said set point voltage dependent on said output voltage of said
power supply battery include a subtractor between said comparator means and said power
detector and converter means.

10. (Currently Amended) The device claimed in claim 8 further including blocking
means adapted to render said detected voltage or said set point voltage dependent on said output
voltage of said power supply battery only in a range of the output power of said amplifier close
to 30 dBm.

11. (Original) The device claimed in claim 10 wherein said blocking means include a
field-effect transistor.

AMENDMENT UNDER 37 C.F.R. § 1.111
U.S. Patent Application No. 09/941,708

12. (Currently Amended) The device claimed in claim 8 wherein said means for rendering said detected voltage or said set point voltage dependent on said output voltage of said power supply battery include software means.

13. (Currently Amended) The device claimed in claim 12 wherein said software means render said detected voltage or said set point voltage dependent on said output voltage of said power supply battery only in a range of powers close to 30 dBm.

14. (Currently Amended) A radiocommunication radio communication terminal including a device according to claim 8 comprising a device for controlling amplification of a signal emitted by a terminal a power amplifier, the device comprising:

means for detecting an output power of said amplifier and converting said output power into a detected voltage,

means for comparing said detected voltage with a set point voltage,

means for controlling an input voltage of said amplifier,

a power supply battery, and

means for rendering said detected voltage or said set point voltage dependent on the an output voltage of said power supply battery before comparing said detected voltage with said set point voltage.

15. (Currently Amended) A radiocommunication radio communication terminal including a device according to claim [[9]] 14, wherein said means for rendering said detected

AMENDMENT UNDER 37 C.F.R. § 1.111
U.S. Patent Application No. 09/941,708

voltage or said set point voltage dependent on said output voltage of said power supply battery
include a subtractor between said comparator means and said power detector and converter
means.